## INDIA

# RUBBER WORLD

BILL BROTHERS PUBLISHING CORP. 386 Fourth Avenue, New York 16, N. Y.

#### Volume 127-128

### October, 1952, to September, 1953

Part of the second seco		A CANADA	
<b>A</b>	PAGES	PAGES	Pages Brady, Robert C. Portrait An 60- Brazil. Is 313, Je 373, JI 53- Bridgwater, E. R. Portrait D 378 Brooks, R. E., D. L. Strain, A. McALEVY Chlorosulfonated Polyethylene—I. Ma 791 Bruce, Richard W. Portrait II 519 Bruce, Richard W. Portrait II 657 Buffalo Rubber Group Ja 526, Ap 81 Burgess, C. T. Portrait Ap 94 Burma. Ja 560, JI 540 Burnett, Waldo B. Portrait Ap 97 Busse, W. F. AND M. A. SMOOK Chlorosulfonated Polyethylene—III. Je 348 Butyl, Impregnating Leather with, Process for
Abernathy, H. Herman	Portrait J1 520	Bags, Space-Saving, for Carbon Black, New 1 670	Brazil Ja 513, Je 373, Il 53-
Abrasion Resistance, Relative, or Rubber, GR-S-10, and GR-S-100,	Natural Effect of	Bales, Rubber, Shipping Containers for D 397	BROOKS, R. E., D. E. STRAIN, A. MCALEVY
Severity of Service on C.	C. Biard,	Ball, J. M. Recent Developments in Reclaimed Rubber	Brubaker, Harry M Portrait J1 519
Severity of Service on C. ( J. F.  Accelerator Masterbatch—Kure Ble Acc Tempron—New Synthetic Har	ad MT Je 391	Recent Developments in Reclaimed Rubber -1952	Bruce, Richard W
		Stress Relaxation in Compression of Rub-	Burgess, C. T
Anatote Plantiniand Vinul Descu F.	wallow Are 677	ber and Synthetic Rubbers Immersed in	Burnett, Waldo B Portrait Ap 97
Adhesive, Hot Melt Shoe-Darex	R8Ap 104	Bellows, Harold A	Chlorosulfonated Polyethylene—IIIJe 348
Acrylonitrile Price Reduction Adhesive, Hot Melt Shoe—Darex In Squeeze Bottle—Sobo Aeronautical Applications, Specifics Rubbers and Synthetic Rubber C	ntions for	Bland, C. C., and J. F. Svetlik  Effect of Severity of Service on the Relative Abrasion Resistance of Natural Rubber CP. S.10 and CP. S.10 p. 363	Butyl, Impregnating Leather with, Process for
Rubbers and Synthetic Rubber C	ompounds Ap 74	ber, GR-S-10, and GR-S-100	See also Synthetic Rubber (GR-I) Byam, S. G. Portrait D 381
AfricaJa 561,	Au 683, S 821	Bibliography O 136, N 279, D 421, Ja 565, F 708 Ma 848 Ap 124 My 272 Je 402	Dyam, in the second control of the
Africa I, Jet, O Ring Compound for Aging, Oven, Migration Effects in A RAkton Polymer Lecture Group.	. E. Jure.	ber, GR-S-10, and GR-S-100	c
Akron Polymer Lecture Group	O 92	Bindman, Stanley	Cabilex DDA and DDP-New All-Decyl Plas-
Akron Polymer Lecture Group Rubher Group N 238, A Albright, Archie E F Alcowax—New Synthetic Wax Alfrey, Turner, Jr. Po	ortrait Je 380	O-Rings—an Annotated Betty Jo Clinebell O 74 Bindman, Stanley. Portrait F 657 Biosynthesis of Guayule Rubber. F 640 Bituminous Pavements, Development and Use of Rubber in. Harry K. Fisher N 220 BL-353—Chemical Blowing Agent. My 252 Bleed Test for PVC II 497 Bloom Prevention, Migration and. Ap 81 Blowing Agent. Chemical—BL-353. My 252 Silicone—Silicone Oxhydride. O 124 Board, Saml. S., Jr. Portrait My 240 Book Reviews	toizers, Ma 83. Cable Covering, Arctic, Ma 83. Cable Covering, Arctic, My 205. Calcium Carbonate—Witearb RC, My 205. Calendar of Coming Events O 92, N 234, D 387, Ja 520, F 662, Ma 806, No 70. My 213, Je 365, JI 497, Au 650, S 782. Calenders, Rubber, Recent Developments in J. C. Elder JI 482.
Alcowax-New Synthetic Wax	rtrait An 97	of Rubber in	Calcium Carbonate—Witcarb RCMy 205 Calendar of Coming Events O 92, N 234.
		Bleed Test for PVC II 497	D 387, Ja 520, F 662, Ma 806, Ap 70,
Pneumosilicosis America		Blowing Agent, Chemical—BL 353My 252	Calenders, Rubber, Recent Developments in
SouthJa 513, Je 373, J	1 513, Au 654 1 534, Au 657	Board, Saml. S., Jr	Campeo S-300—Styrene Copolymer Sheeting S 782 Canada O 110, D 397, F 679, Ma 826, Ap 98, My 242, Je 382, Jl 518, Au 659
AMERICA O 101, JI South Ja 513, Je 373, J AMERICAN CHEMICAL SOCIETY Division of Colloid Chemistry Paint, Varnish & Plastics Chen Abstracts of Papers RUBBER CHEMISTRY	N 254	Book Reviews "American Handbook of Synthetic Textiles"	Canada O 110, D 397, F 679, Ma 826, Ap 98, My 242, Je 382, Jl 518, Au 659
Paint, Varnish & Plastics Chen	nistry. O 84	"American Handbook of Synthetic Textiles" Herbert R. Mauersberger D 419 "Chemical Engineering Operations" Frank	Capen, B. H. Recent Developments in Footwear—1952 My 199
		Kumford N 276	Industrial Rubber ProductsMy 201
Goodyear Medal Award D 37	Au 636	"Chemicals of Commerce," Second Ed. Foster Dee and Cornelia T. Snell Ap 118 "Chemistry of the Metal Chelate Compounds" Arthur E. Martell and Melvin Caltin II 542	Bag, Shaped, for
MEETINGS Boston, May, 1953., My 214 I	1 498 Au 664	"Chemistry of the Metal Chelate Com-	Bag, Shaped, for
Abstracts of Papers	My 214	"Colloid Science," Vol. I Edited by H. R.	Packaging
Abstracts of Papers.	0 86	Knyt F 70.1	
Abstracts of Papers	362, Au 636	"Die Polarnatur des Kautschuk" Heinrich Feuchter J1 542	Shipping Carton. L. Studebaker N 215 Shipping Carton. Ja 537
MEETINGS Boston, May, 1953. My 214. J Abstracts of Papers Buffalo, Fall, 1952. Abstracts of Papers. Chicago, September, 1953 Je Abstracts of Papers Los Angeles, March, 1953 F Abstracts of Papers Program Service to Groups. President-Elect, Fisher.	658, My 219	"Directory of the International Rubber Industry"	Shipping Carton
Program Service to Groups	O 90	Industry". An 118 "Encyclopedia of Sulfur-Active Reagents"  I. P. Sisley; translated and revised by P. J. Wood F 704	Sterling MT-New Thermal BlackF 686
Sections	0 101	P. J. Wood F 704	Carr. A. R
Chicago New York	F 662	"Fundamental Principles of Polymeriza- tion". G. F. D'Aleito F. 704 "Handbook of Chemistry," Eighth Ed. Edited by Norbert A. Lange Ja 562 "And Physics," Thirty-fourth Ed. Charles D. Hodomay, Editors, Chief	Cartons, Coated, GR-I in
New York. Northeastern, Elastomer & Plasti N 239, D 384, Ma 811, Ap 70, M	les Group Iv 222, Jl 501	"Handbook of Chemistry," Eighth Ed. Edited by Norbert A. Lange Ia 562	Casein Vehicle for Latex Paints An 104 Cathode Rays Cure Plastics J1 496
AMERICAN Institute of Chemists N 254	F 662 Je 371	"And Physics," Thirty-fourth Ed. Charles D. Hodgman, Editor-in-Chief	CD Mold Release B S 782
AMERICAN Institute of Chemists N 254, Electrical Engineers M Marketing Assn. Physical Society, High Polymer Division	la 806, Il 515	Charles D. Hodgman, Editor-in-Chief "Material Trade Names," 1953 Ed, O. T. Zinmerman, Irvin Lavine Au 684 "Heven: Thirty Years of Research in the Far East" M. J. Dirkman S 832 "History of the Rubber Industry" Edited by F. Schiroweitz and T. R. Davson S 822 "Maleic Anhydride Derivatives," Laurence H. Flett and Wm. H. Gardner Ma 846 "Measurement and Control of Temperatures in Industry" R. Royds N 276 "Methoden der Organischen Chemi," Vol. III, Fourth Ed. Edited by Eugen Meyer	Ground Rubber Scrap with . W. D. Stew-
Physical Society, High Polymer	Physics	Zimmerman, Irvin Lovine Au 684	Cement, Foam Rubber-Softseam S 812
Abstracts of Papers	811, My 220 My 220	Far East"	Chambers, Heating, Injection Molding, Some
Society for Quality Control My : Testing Materials	219, 220, 226	"History of the Rubber Industry" Edited by P. Schidrowitz and T. R. Dawson S 822	Design Considerations for G. D. Gilmore, G. B. Thaver My 207
COMMITTEES D.9	Vii 634	"Maleic Anhydride Derivatives" Lawrence	CHEMICAL Blowing Agent—BL-353 My 252
11A	p 71, Au 640	"Measurement and Control of Tomogratures	I NAME TO A SANGE
E-1	73, Au 645	"Methoden der Organischen Chemi," Vol.	Rubber Division My 218, Il 501
District, New York Ja	526, My 220	III, Fourth Ed Edited by Eugen Meyer Je 399	High Polymer Forum. My 226 Rubber Division. My 218, II 501 Abstracts of Papers My 218 Section, Ontario Rubber N 236, Ja 525. Ma 812 An 80
D.9 A 20. D 374, My F. 1. An Technical, A. District, New York. Ja Elections Meetings, Spring. Specifications for Rubber a thetic Rubber Compounds tomotive and Aeronautica eations	Ap 71	"Plastics" — Vol. I in "Selected Government Research Reports". My 267 "Pneumaric Tire Desivn". E. C. Woods My 267 "Pressure - Volume - Temperature Relation- ships of Organic Compounds, "Third Ed. Robt. R. Dreisbach O 134 "Radioisotopes in Industry". Edited by John R. Bradford Au 684 "Selected Government Research Reports.	Market Research Assn. II 503
Specifications for Rubber a	nd Syn-	"Preumatic Tire Design". E. C. Woods My 267	Market Research Assn II 50.3 Chemicals, Coal and Petroleum, and Prod- ucts Made Therefrom, Further Extracts from Paley Commission Reports on. O 70.
tomotive and Aeronautica	d Appli-	ships of Organic Compounds," Third Ed.	from Paley Commission Reports on . O 70.
orations Of Mechanical Engineers Rubber & Plastics Division O 90	S 790	"Radioisonopes in Industry". Edited by	Trom Paley Commission Reports on . O 70, N 226, Ja 511 Chemigum Rubbers, New—N6 and N7 S 812 Chicago Rubber Group N 237, Ja 521, 526, Mar 897, My 226, Je 362, Jl 502, S 784 Courses
Rubber & Plastics Division O 90	), Ja 523, Ap 81, Je 361	"Selected Government Research Reports.	Chicago Rubber Group N 237, Ja 521, 526, Mar 807, My 226, Je 362, JI 502, S 784
Abstracts of Papers O 90,	Ja 523,	Vol. I. Plastics"	Courses 91, N 236, Au 639
Amine-Type Antioxidant—Octamine.	D 406	Vol. II. Jas. G. Vail, John H. Wills Je 399	Courses. O 91, N 236, Au 6.39 China S 821 Chilorosulfonated Polyethylene—I. R. E. Brooks, D. E. Strain, A. M. Allevy Ma 791 II. M. A. Smook, I. D. Roche, W. B. Clark, O. G. Youngquist An 54 III. W. F. Busse, M. A. Smook Je 348 Clarey, I. P. Portrait Ap 94 CLARK, W. B., O. G. Youngquist, M. A. Smook, I. D. Roche Chlorosulfonated Polyethylene—II. Ap 54
Antioxidant, Amine Type-Octamine	D 406	Derivatives. Edited by R. H. Boundy	11M. A. Smook, I. D. Roche, W. B.
Amine Type Antioxidant—Octamine, Andrews, John Po Antioxidant, Amine Type—Octamine Sunproofing Agent and—"Proteict Applications of Polyethylene, The P and H.F. Roba Aquasperse—Cascin Vehicle for Late	roperties	"Technical Data and Plastics" Ma 846	III
and H. F. Robe	rtson O 80 x Paints	"Reporting" Jos. N. Ulman, Jr. O 134 "Textile Chemicals and Auxiliaries" Edited	Clark, W. B., O. G. Youngouist, M. A.
ratio Cable Congring	F1 504	"Writing the Technical Report" I Palaish	SMOOK, I. D. ROCHE Chlorosulfonated Polyethylene—II . Ap 54
rgentina Armitage, Harry D	11 536	"Selected Government Research Reports, Vol. I. Plastics"	CLINERELL RETTY TO
Australia	702. Au 683	Boston Rubber Group N 238, Ja 526, My 225, Au 648	O-Rings—An Annotated Bibliography O 74 Coal and Petroleum Chemicals and Products
Specifications for Rubbers and S	ivations,	Boxes, Export, GR-I in D 383 Boyd, K. K	Coal and Petroleum Chemicals and Products Made Therefrom, Further Extracts from Paley Commission Reports on O 70, N 226.
Rubber Compounds for	Ap 74	Boynton, Neheniah, Jr Portrait O 110	Ja (51)

1)	FALES	2.110
Coated Cartons, GR-I in. D 383 Fabric, Packing Compound D 383	deSupenski, Bronis Portrait Ma 719 Detroit Rubber & Plastics Group, Inc., N 236,	Expositions Kel-F, Permanent,
	Detroit Rubber & Plastics Group, Inc N 236, F 662, Je 360 Development and Use of Rubber in Bituminous	Kel-F, Permanent, S 78 Knitting Arts. Ma 81 Plastics, 1954. Jl 48
Fungicide for Vinyl—Modex 1904 1. S 812 Fabrics, Plastic, Practice, Revise D 375 Coating Material, Silicone—SE 100	Pavements	Silicone O 11 Toy Fair Ap 9 Extruded Pipe Research Program Continues F 68
James A. Hurry, John D. Prock Au 619 Collinsworth F. T. Ir Portrait My 242	Latest, in Synthetic Elastomers. Harry L. Fisher F 641	Extruded Pipe Research Program Continues F 68
Collyer, Harry J Portrait O 108	New, in Laminous Resins H. M. Day N 230 RECENT. IN	Fahel Geo. S Portrait N 25
Colombia	Footwear—1952 B. H. Capen My 199 Industrial Rubber Products B. H. Capen	Fabel, Geo. S Portrait N 25 Fabric, Coated, Packing Compound D 38 Vinyl, Fungicide for Nuodex 100 VT S 81
Commission Report, Paley, on Coal and Petroleum Chemicals and Products Made	My 201	Fabrics, Plastic Coated, Practice, ReviseD 37
Therefrom, Further Extracts from O 70,	Physics of Rubber S. D. Gehman My 199 Reclaimed Rubber—1952 J. M. Ball My 201 Rubber Calenders Norman J. Elder Jl 482	838, Ap 114, My 259, Je 397, Ji 536, Au 681 S 82
COMMODITY EXCUSIVE INC.	Number Catenders (Vinda V. East V.)  Soles and Heels My 202  Dewebbing Compound, Latex F 686  Dewey, Bradley Portrait F 678  Dies, and Rate of Shear on Mooney Viscosity,	Farr, John D
Crude Rubber Market O 140, N 282, D 424, Ja 568, F 714, Ma 850, Ap 128, My 276, Je 404, Jl 548, Au 690, S 830	Dewey, Bradley	FELDON, M., R. F. McCann, R. W. Laundrie Continuous Emulsion Polymerization in a
Elections Ma 819		Tubular Reactor
Latex Dewebbing	E. Decker, Frank L. Roth Je 339  Diploma, International, for Rubber Technicians  Au 639	Continuous Emulsion Polymerization in a Tubular Reactor
O-Ring, for Jet Aircraft O 92 Packing, Coated Fabric D 383	cians Au 639  Dirt Content of Natural Rubber, A Survey on K. F. Heinrisch Ja 503  Dispersions, New Resin—Polyco, D 406	Film
Vinyl Dry Blend, Coloring of Richard L. Lynch Ap 65	Dispersions, New Resin-Polyco, D 406 Dividends Declared . O 118, N 286, D 402,	Rubber—Vulca Film
Compounding Economy, Practical, for V. H. Vodra,	Dividends Declared. O 118, N 286, D 402.  Ja 544, F 680, Ma 828, Ap 98, My 246, S 60  Je 386, Jl 518, Au 694, S 800  DMI—New Phthalic Ester	Vinyl, as Sliage Protector
L. A. Jorvis F 633  Hose	Doede, Clinton M., Arbelia C. Glime, Nor-	Wrapped GR-S Purchases. Financial. O 116, N 286, D 400, Ja 542,
Ja 570, F 718, Ma 854, Ap 130, My 280, Je 408, Jl 550, Au 692, S 834	Compounding of Silicone Rubber 5 766	Ji 518, Au 694, S 79
Research, Methods Employed in . 1. Drogin	Drogin, I. Methods Employed in Compounding Re-	Development and Use of Rubber in Bi-
O 65, D 365, Ja 505, F 646, Ma 797, Ap 59, My 203, Je 345, Au 627, S 771	search. O 65, D 365, Ia 505, F 646, Ma 797, Ap 59, My 203, Je 345, Au 627,	tuminous Pavements
Silicone Rubber, of Arbelia C. Glime, Norman A. Duke, Clinton M. Doede S 766 Compounds, Reinforced Rubber, and the	Dry Blend Compound, Vinyl, Coloring of Richard L. Lynch Ap 65	Flexometer, Goodrich, A Study of the.
Physical Properties of Various Carbon	Vinyl Resin—Marvinol VR-22 Au 672 Duke, N. G., and N. A. Mitchell Oil Resistance of Nitrile Rubber Jl 485	with Synthetic Polymer Compounds B. G. Labbe My 193
Blacks, The Relationship between the Modulus of . Merton L. Studebaker N 215 Tread, on Ice, Study of the Factors Affecting the Friction of C. S. Wilkinson, Jr., JI 475	Oil Resistance of Nitrile Rubber JI 485 NORMAN A., CLINTON M. DOEDE, ARBELIA	Flo-Mix 66—Reclaim in Powdered Form. S 81; Flow Data for Plastic Pipe
ing the Friction of C. S. Wilkinson, Jr. J1 475 Compression of Rubber and Synthetic Rubber	C. GLIME Compounding of Silicone Rubber S 766	FOOTWEAR
Vulcanizates Immersed in Oil, Stress Relaxation in. J. R. Beatty, A. E. Juve D 357	Duranyl Vinvl Stabilizers	Hot Melt Shoe Adhesive—Darex R8. Ap 104 Recent Developments in—1953 B. H.
Compression of Rubber and Synthetic Rubber Vulcanizates Immersed in Oil, Stress Relaxation in J. R. Beatty, A. E. Juve D 357 Plastometer, A Simple . E. F. Linhorst Au 626 Conidendrols Tested as StabilizersMy 226 Connecticut Rubber GroupO 91, D 384, Ap 80. Je 362		Capen My 199
Connecticut Rubber GroupO 91, D 384, Ap 80, Je 362	Dust, Lead, in the Manufacture of Vinvl Plastics, The Effective Control of Alex-	Soles and Heels My 202 Foreign Trade Opportunities Ja 544, F 716, Ma 852, Je 386, Au 696
Container, Shipping, for Rubber Bales D 397 Contest, Gidley Institute	Plastics, The Effective Control of Alex- ander E. Goss, Arthur M. Ross, Jr. F 652 Dyer, Brooks M. Portrait Au 660	Fort Wayne Rubber & Plastics Group N 239, Ja 525, Ma 812, My 225, Au 648, S 783
Continuous Emulsion Polymerization in a Tubular ReactorM. Feldon, R. F. McCann, R. W. Laundrie Ap 51	E E	France
Control, Effective, of Lead Dust in the Manufacture of Vinyl Plastics, The Alexander E. Goss, Arthur M. Ross. Jr. F 652	Ebers, Earle S	Fort wayne kunder & Trastics Globy 12-25, Au 648, S 78; Fortex—New Reinforcing Agent Ia 57; France F 698, Ap 110, My 266, Je 39; Friction, Coefficients of, of Rubber Samples. James A. Hurry, John D. Prock Au 619 Of Tread Compounds on Ice, Study of the
	Reginning of a New Year and Its Implica-	Factors Affecting the C. S. Wilkin- son, Jr. J1 475
Conveyor Bertroad through Cleveland Fro- posed F 675  Copolymer, Styrene, New—Darex 43G D 406  Sheeting—Campco S-300 782  Cornell, W. H Portrait Ma 819  Cotton Market and Fabrics O 140, N 282,	tion, The	Fungi, Celllulose-Decomposing, Defibering of
Sheeting—Campco S-300 S 782 Cornell, W. H Portrait Ma 819	Good "Industry Patterns" for Synthetic Plant Disposal Already Exists, A Ap 64	Ground Rubber Scrap with W. D. Stew- art, R. A. Crawford, H. A. Miller Ma 794 Fungicide for Vinyl Coated Fabric—Nuodex
Cotton Market and FabricsO 140, N 282, D 426, Ja 570, F 716, Ma 852, Ap 128,		100VT S 812
My 276, Je 404, Jl 548, Au 690, S 832 Courses, Polymers, Summer, in	on Synthetic Rubber To Be Done?Au 630 International Commodity Agreement on Rubber Not Favored by the United	G
Courses, Polymers, Summer, in My 217 Rubber, Chicago O 91, N 236, Au 639 Los Angeles Rubber Group Ap 81, Au 639 Covers, Spiral-Wound Abrasive Drum, How	Is the Planning for the New Government-	Gage, New High Range Strain Je 362 Gamble, David L
to CutAu 664	Rubber Industry Relation Adequate?Je 354 More on the Future of Synthetic Rubber	GEHMAN, S. D.
to Cut	Shafer Disposal Plan, The: Will It Work?	Recent Developments in Physics of Rubber My 199
Defibering of Ground Rubber Scrap with Cellulose Decomposing Fungi Ma 794	Straws in the Wind for 1953 Ja 514 Warning to the Natural Rubber Industry.	Germany . D 418, F 692, Ap 68, My 264, S 814 Gerstenmaier, J. H. and F. J. Fetter Progress in Manufacturing Methods in the
Cellulose-Decomposing Fungi Ma 794 Crazing, Stress, of Plastics. J. A. Sauer, C. C. Hsiao Ie 355 Creep of Neoprene in Sheet under Stotic	What Will Be the Future of Research on	Molded Rubber Products Industry S 761 GILMORE, G. D., AND G. B. THAYER Some Design Considerations for Injection
Conditions: Ten Years . W. Newlin Keen Je 351	Will the Natural Rubber Industry Take	Molding Heating Chambers MV 207
Crude Rubber Market O 140 N 292 D 424	the Right Fork in the Road? My 206 Effect of Severity of Service on the Relative	Ginder, Philip M Portrast JI 513
Ja 568, F 714, Ma 850, Ap 128, My 276, Land 19,	the Right Fork in the Road? My 206 Effect of Severity of Service on the Relative Abrasion Resistance of Natural Rubber, GR-S-10, and GR-S-100 C. C. Biard, J. F. Svetlik D 363	Glass Mat Specification Ja 526 GLIME, ARBELIA C., NORMAN A. DUKE, CLIN- TON M. DOEDE
Foreword to "O-Rings—an Annotated Bib- liography" 0 74	Effective Control of Lead Dust in the Manu.	Compounding of Silicone Rubber S 766 Gonyer, Gerald R Portrait S 790 Goodrich Flexometer, A Study of the, with
liography" O 74 Cure Plastics, Cathode Rays	facture of Vinvl Plasticizers, TheAlex- ander E. Goss, Arthur M. Ross, Jr. F 652 Elastomers, Plasticizers for Maxwell A.	Goodrich Flexometer, A Study of the, with Synthetic Polymer Compounds B. G. Labbe My 193
110w 10	Pollack la 497	Goss, Alexander E., and Arthur M. Ross,
Daniels, Runert W	Elder, Norman J. Recent Developments in Rubber Calenders II 482	Effective Control of Lead Dust in the Manufacture of Vinyl Plastics, The F 652
Daniels, Rupert W	Electron Tubes, Kel-F in Au 666	GR-I. see Synthetic Rubber
Davis, C. C	Emulsion Polymerization Continuous in a	CR.S see Synthetic Rubber
New Developments in Laminous Resins. N 230	Electron Tubes, Kel-F in	GR.I. see Synthetic Rubber GR.S. see Synthetic Rubber Granulated Wood Binding Resin—Resinox 743
Transfer Francis	Styrene—Lustrex Latex 601-50 Au 672 Fstanox Fatty Ester Plasticizers My 252	Great Britain D 414, F 694, Ap 63,
Influence in Variations in Rotors Dies	Styrene—Lustrex Latex 601-50 Au 672 Estanex Fatty Ester Plasticizers My 252 Ester Plasticizers Ester William Forty	Great Britain D 414, F 694, Ap 63, My 266, Au 664, 678
Decals for Rubber Products. N. 258 Decals for Rubber Products. N. 258 Decals for Rubber Products. Roth Influence in Variations in Rotors, Dies, and Rate of Shear in Mooney Viscosity Le 339	Styrene—Lustrex Lalvex 601-59 Au 672 Estanox Fatty Ester Plasticizers My 252 Ester Plasticizers, Estanox Fatty My 252 Engineering Design for Rubber-Phenolics A. P. Landall S 776	Great Britain D 414, F 694, Ap 63, My 266, Au 664, 678
Decorating and Marking of Plastic Products	Styrene—Lustrex Lalvex 601-59 Au 672 Estanox Fatty Ester Plasticizers My 252 Ester Plasticizers, Estanox Fatty My 252 Engineering Design for Rubber-Phenolics A. P. Landall S 776	Great Britain D 414, F 694, Ap 63, My 266, Au 664, 678 GREGORY, FRANK S. Hose Compounding Portrait D 399 Ground Rubber Scrap, Defibering of, with Cellulose-Decomposing Fungi W. D. Cellulose-Decomposing Fungi W. D.
Decorating and Marking of Plastic Products, The Arthur N. Skeels Ma 803 Decyl. All. Plastoizers—Cabiley DDA and	Styrene—Lustrex Latex 601-50 . Au 672 Estanox Fatty Ester Plasticizers. My 252 Ester Plasticizers, Estanox Fatty . My 252 Engineering Design for Rubber-Phenolics . A. P. Landall S 776 Europe O 128. D 414, Ia 551, F 692, Ma 845. Evaluation of Plasticizer Performance in Vinyl Resins	Great Britain D 414, F 694, Ap 63, My 266, Au 664, 678 GREGORY, FRANK S. Hose Compounding Portrait D 399 Ground Rubber Scrap, Defibering of, with Cellulose-Decomposing Fungi W. D. Cellulose-Decomposing Fungi W. D.
Decorating and Marking of Plastic Products, The Arthur N. Skeels Ma 803 Decvl. All- Plastcizers—Cablex DDA and DDP May Sergion Rubber Scrap with Celluloge of County Rubber Scrap with	Styrene—Lustrex Latex 601-50 Au 672 Estanox Fatty Ester Plasticizers My 252 Ester Plasticizers Estanox Fatty My 252 Engineering Design for Rubber-Phenolics Europe., O 128, D 414, Ia 561, F 692, Ma 845, Ap 110, My 264, Je 395, Au 678, S 814 Evaluation of Plasticizer Performance in Vinvl Resins	Great Britain D 414, F 694, Ap 63, My 266, Au 664, 678 GREGORY, FRANK S. Hose Compounding N 236 Gronauer, Roy W Portrait D 399 Ground Rubber Scrap, Defibering of, with Cellulose-Decomp sing Fungi W. D. Stewart, R. A. Crawford, H. A. Miller Grubb, Chas. W. Portrait II 520 Guayule Rubber, Biosynthesis of IF 640
Decorating and Marking of Plastic Products, The Arthur N. Skeels Ma 803 Decvl. All- Plastcizers—Cablex DDA and DDP May Sergion Rubber Scrap with Celluloge of County Rubber Scrap with	Styrene—Lustrex Latex 601-50 Au 672  Stanox Fatty Ester Plasticizers My 252  Ester Plasticizers Estanox Fatty My 252  Engineering Design for Rubber-Phenolics  Europe., O 128, D 414, Ia 561, F 692, Ma 845,  Ap 110, My 264, Je 395, Au 678, S 814  Evaluation of Plasticizer Performance in Vinvel Resins. — Temple C. Patton D 371  Experimental GR-S Polymers and Latices, Additional Au 648  Oil-Masterbatch Program O 91  Export Boxes, GR-I in D 383	Great Britain
Decorating and Marking of Plastic Products, 18 Arthur N. Sheels Ma 803 Decvl. All. Plastcizers—Cablex DDA and DDP	Styrene—Lustrex Latex 601-50 Au 672 Pstanox Fatty Ester Plasticizers My 252 Pstanox Fatty Ester Plasticizers My 252 Engineering Design for Rubber-Phenolics Ap 100 My 264, Je 395, Ma 845 Europe. O 128. D 414, Ia 561, F 692, Ma 845 Evaluation of Plasticizer Performance in Vinvl Resins Temple C. Patton D 371 Experimental GR-S Polymers and Latices, Additional Au 648 Oil-Masterbatch Program O 91 Export Boxes, GR-I in D 383 Expostrions Basic Materials for Industry Ja 537, JI 512 Chemical, Seventh National O 104 Industries Au 655	Great Britain
Decorating and Marking of Plastic Products, The Arthur N. Skeels Ma 803 Decyl. All. Plastoizers—Cabiley DDA and	Styrene—Lustrex Lalva 601-50 Au 672 Pstanox Fatty Ester Plasticizers My 252 Pstanox Fatty Ester Plasticizers My 252 Engineering Design for Rubber-Phenolics Ap 10. My 264, Je 395, Au 678, S 814 Europe. O 128. D 414, Ia 561, F 692, Ma 845. Europe. O 128. D 414, Ia 561, F 692, Ma 845. Evaluation of Plasticizer Performance in Vinvl Resins Temple C, Patton D 371 Experimental GR-S Polymers and Latices, Additional Au 648 Oil-Masterbatch Program O 91 Export Boxes, GR-I in D 383 Expostrions Basic Materials for Industry Ja 537, II 512	Great Britain D 414, F 694, Ap 63, My 266, Au 664, 678 GREGORY, FRANK S. Hose Compounding N 236 Gronauer, Roy W Portrait D 399 Ground Rubber Scrap, Defibering of, with Cellulose-Decomp sing Fungi W. D. Stewart, R. A. Crawford, H. A. Miller Grubb, Chas. W. Portrait II 520 Guayule Rubber, Biosynthesis of IF 640

PAGES Hardness Testing of Vinvi Plastics, Report on	Leiser, D. RPortrait Ja 524	Metallizing of Plastics, Vacuum J. Gor-
Hardness Testing of Vinyl Plastics, Report on the Shore Type "A" Durometer for Ervine F. Smith Ja 515	Leiser, D. R	Motors Water Englantic Tested in F 675
Harwax A-12-Hydroxyl Steam AcidJl 526		Methods Employed in Compounding Research
Design Considerations for . G. D. Gilmore, G. B. Thayer My 207	Linhorst, E. F. Simple Compression Plastometer, A. Au 626 Logs, Richard F. Los Angeles Rubber Group, Inc. 9 91	1. Drogin O 65, D 365, Ja 505, F 646, Ma 797, Ap 59, My 203, Je 345, Au 627, S 771 Mexico Jl 513, Au 654
Heinisch, K. F.	N 230 D 382 In 525 E 662 May 912	Mexico II 513, Au 654 Migration and Bloom Prevention Ap 81 Effects in Oven Aging A. E. Juve, R. Shearer Au 623
Survey on Dirt Content of Natural Russer.  Ja 503 Hill, Henry A. Portrait N 254 Hoadley, Franklin R., Jr. Portrait S 790 Holland, see Netherlands Horsey, R. E. Portrait N 253 Hose Compounding Frank S. Gregory N 223 Hot Melt Shoe Adhesive—Darex R8. Ap 104	Los Angeles Rubber Group, Inc 91. N 239, D 382, Ja 525, F 662, Ma 812, Ap 81, Il 503, Au 639, 648 Low-Shrinkage Silicone Rubber—SE-360 Jl 528	MILLER, H. A., W. D. STEWART, R. A.
Hoadley, Franklin R., Jr Portrait S 790	Lubricant, New—Latex-Lube (Pigmented) O 101 Lunke, Arne W	CRAWFORD Dellaring of Cround Rubber Scrap with
Horsey, R. E	Lustrex Latex 601-50—Styrene Emulsion Au 672 Nomenclature, New Ja 526 Lynch, Richard L.	Cellulose-Decomposing Fungi Ma 794
Hot Melt Shoe Adhesive—Darex R8Ap 104	Coloring Vinyl Dry Blend Compound . Ap 65 Lyon, W. E	MITCHELL, W. A., N. G. DUKE AND Oil Resistance of Nitrile Rubber
Hot Melt Shoe Adhesive—Darex Rs		Modulus of Reinforced Rubber Compounds and the Physical Properties of Various Carbon Blacks, The Relationship between
HURRY, JAMES A., AND JOHN D. PROCK Coefficients of Friction of Rubber Samples.	M	
11 Year, see Synthetic Rubbers	Machinery, New Analyzer, Electronic, for Industry O 122	Mold Cleaner, Walnut Shells as
I	Analyzer, Electronic, for Industry O 122 Calender, Three-Roll Ja 546 Cell, Ultracentrifuge S 810	in Manufacturing Methods in the J. H. Gerstenmaier, F. J. Fetter S 761
Ice, Study of the Factors Affecting the Friction	Cell, Ultracentrifuge S 810 Control Instrument, Viscosity II 491 Controls, Liquid Level My 248 Cutter, Portable, Rubber N 256 Support Rubber S 256	
of Tread Compounds onC. S. Wilkinson, Jr. II 475	Cutter, Portable, Rubber N 256 Sponge Rubber S 806	Molding Compounds, Fight Impact, by Silvar var . My 225  Injection, Heating Chambers, Some Design Considerations for G. D. Gil-
Impregnating Leather with Butyl, Process for	Sponge Rubber S 806 Cylinder Piston Positioner D 404 Die Machine, Power Roller II 524	more, G. B. Thaver My 207
	Die Machine, Power Roller	Mooney Viscosity, Influence of Variations in Rotors, Dies, and Rates of Shear on Geo. E. Decker, Frank L. Roth Je 339
Statement of O 150   Toth Joins Staff   Ap 92   Indonesia N 268, Ma 844, My 262, Ap 682, S 820   Ap 682, S 820	sels Je 388 Extensometer by Baldwin, New Ma 830 Electric S 808	Multicolor Printing Process
Au 682, S 820 Industrial Pubber Products Recent Devel	Gage Accessories Padiation C 200	N
Industrial Rubber Products, Recent Developments in B. H. Capen My 201 Industry, Molded Rubber Products, Progress	Grinder, Surface D 404 Grinding Mill, German Developed Au 668 Heater-Dryer Molding Machine Ap 100 Hot Stretch Processing of Nylon Cord S 806	Nantz, Tom B
in Manufacturing Methods in the J. H.  Gerstenmaier, F. J. Fetter S 761	Heater-Dryer Molding Machine Ap 100 Hot Stretch Processing of Nylon Cord S 806	Association of Independent Tire Dealers Ja 529, S 785
Influence of Variations in Rotors, Dies, and	Integrating Instrument F 694	Waste Material Dealers, Inc D 400, Ja 526, Ma 825, My 232, Je 371, Safety Council My 236, J1 518, S 784
Rate of Shear on Mooney Viscosity Geo. E. Decker, Frank L. Roth Je 339 Injection Molding Heating Chambers, Some	Joint, Rotary Pressure, and Valves Je 390 Lock, Vulcanizer Door Ma 830 Mill, Laboratory Roll Jl 524	JI 514, S 793
Design Considerations for G. D. Gilmore, G. B. Thayer My 207 Interchangeable Oils in GR-S Masterbatches	Mill, Laboratory Roll JI 524	NATURAL RUBBER Dust Content of, A Survey on K. F.
	Mixer, Continuous My 205 Latex Foam Ja 548 Monitor, Speed Au 668 Osmometer for Odor Strength Determina-	Heinisch Ia 503 Effect of Severity of Service on the Rela-
Irvine, V. C	Osmometer for Odor Strength Determina-	tive Abracion Resistance of GR.S.10 and
Israel Je 371 Italy Ma 845	Oven, Gravity, Laboratory S 808 Ovens, Drying New Line of Le 392	GR.S-100 . C. C. Biard, J. F. Svetlik D 363 Vulcanization Characteristics of Robert D. Stiehler, Frank L. Roth Ma 783
J	tion Au 626 Oven, Gravity, Laboratory S 808 Ovens, Drying, New Line of Je 392 Press for Rubber Processing—Stacomizer D 396 Pressure Control Package Unit Je 388 Printing Processing Mochine L 100	Near East
JapanJa 539, My 233, 264	Pollege for Desires Control Diet 71 515	Netherlands O 128, D 417, Ap 91, Je 395, Jl 512, Au 680
Jackson, Whatton	Rolpac—for Fackaging Carbon Black II 518 Screen, Vibrating Ia 548 Shear, Power, New Ap 102 Switch, Pressure, New-Model II 491 Testers, Hardness, Wallace My 250 Universal New F 682	New Goods
reaction Compounding for Economy 4 842 Jet Aircraft, O-Ring Compound for O 92 Johnson, Norman Portrait O 114 Joint, Tyne "I." Rotary J1 481 Juve, A. F., J. R. BEATTY AND	Switch, Pressure, New-Model J1 491 Testers, Hardness Wallace Ny 250	Addressories, Felt, New         S. 781           Adhesive, Felt, New         Ma. 836           For Polyewlylene, Flexible         Ma. 836           Balloons, Pinwheel         D. 406           Battery, Car, New         Ma. 836           Beach Board, Plastic         J. 532           J. 532         S. 782
Joint, Tyne "L" Rotary	Universal, New . F 682 Testing Machine, Universal . O 123	Balloons, Pinwheel D 406 Battery, Car, New Ma 836
Stress Relaxation in Compression of Rub- ber and Synthetic Rubber Vulcanizates	Valve, Air Control Au 670 Voltmeter, New O 123 Weighing Device, Load, for Tester N 258	Beach Board, Plastic
Immersed in Oil	Weighing Device, Load, for Tester N 258	Fisherman's Tackle
Migration Effects in Oven Aging Au 623	Weighing Device, Load, for Tester: N 258 Winder, Tension, Electric 11 526 Malaya O 130, N 270, Ja 556, F 700, Ma 840, Ap 114, My 259, Je 397, JI 536, Au 681, S 820	Fisherman's Tackle         Ap 108           Rayon Fabric         f 688           Billfolds, Embossed Plastic         Ap 108           Boat, Plastic         Je 394
K	Au 681, S 820 Manufacture of Vinyl Plastics, The Effective	
Creep of Neoprene in Shear under Static	Control of Lead Dust in theAlex- ander E. Goss, Arthur M. Ross, Jr., F 652	Brush, Wire Ja 552 Cable, Television F 690
Crep of Neoprene in Shear under Static Conditions: Ten Years Je 351 Kel-F in Electron Tubes Au 666 Kelly, Arthur Portrait N 248 Kimball, Dan A. Portrait F 676 Kleinhans, J. A. Portrait Au 660 Knife, Nylon We 235 Koch, Lester D. Portrait O 112 Koper, Albert Portrait Je 373	Manufacturing Methods in the Molded Dub.	Casing, Low-Pressure
Kimball, Dan A	ber Products Industry, Progress in J. H. Gerstenmaier, F. J. Fetter S 761 Marking of Plastic Products, The Decorating and Arthur N. Skeels Ma 803	Coatings Neoprene New Ma 821
Knife, Nylon My 235	ing and	Conveyor, Shuttle
Koper, Albert Portrait Je 373 Kralastic Tested in Water Meters F 675	Compounding Ingredients 0 118	
Kure-Blend MT-Accelerator Masterbatch Je 391	N 288. D 428, Ja 570, F 718, Ma 854, Ap 130, My 280, Je 408, Jl 550, Au 692, S 834	De-Icers, Pneumatic
L	Cotton and Fabrics O 140, N 282, D 426, Ja 570, F 716, Ma 852, An 28, My 276, Je 404, JI 548, Au 690, S 832 Latex O 140, N 282, D 424, Ja 568, F 714, Ma 850, Ap 128, My 276, Ja 68, F 714, Ma 850, Ap 128, My 276, Ja 570, F 716, Ma 852, Ap 130, My 278, Ja 570, F 716, Ma 852, Ap 130, My 278, Je 406, JI 550, Au 692, S 830 Reclaimed Rubber O 140, N 282,	Puct, Rubber Floor Wire Je 393 Fabric Material, New-Fiberthin Ja 552 Upholstery, New-Spun Boltaflex Jl 513
Study of the Goodrich Flexometer with	My 276, Je 404, Jl 548, Au 690, S 832 Latex O 140, N 282, D 424.	Feeding Trough, Rubber Ap 106 Fender, Marine Au 676 Footwear, Latex, New N 264 Overshoes, Neoprene Industrial Ap 106
Synthetic Polymer Compounds, AMy 193 LaBelle, John W	Ja 568, F 714, Ma 850, Ap 128, My 276, Je 404, Jl 548, Au 690, S 830	Footwear, Latex, New
Laminac Resins, New Developments in. H.  M. Day N 230  Laminates, New Polyplastex	Rayon O 142, N 284, D 426, Ja 570, F 716, Ma 852, Ap 130, My 278,	Gasket, "Flowed-in" N 262 Material Ashestprene Le 394
Landall, A. P. Engineering Design for Rubber-Phenolics S 776	Je 406, Jl 550, Au 692, S 830 Reclaimed Rubber O 140, N 282,	Consideration
Latest Developments in Synthetic Elastomers  Harry L. Fisher F 641	D 424, Ja 568, F 714, Ma 850, Ap 128, My 276, Je 404, Jl 548, Au 690, S 830	Hose High Processes \$ 802
LATEX	Reclaimed Rubber 7 714, Ma 850, Ap 128, D 424, Ja 568, F 714, Ma 850, Ap 128, Rubber 7 140, Ma 850, Ap 128, Ma 140, Ma 850, Ap 128, Ma 140, Ma	Fire, New
Dewebbing Compound	Ja 506, F 71s, Ma 630, Ah 126, My 276, Je 404, Ji 548, Au 650, S 830 Scrap Rubber , O 140, N 282, D 424, Ja 568, F 714, Ma 852, Ap 128, My 276, Je 404, Ji 548, Au 690, S 830 Marvinol VR-22—Dry Blend Vinyl Resin Au 672	Garden, Vinyl Au 676
Market O 140, N 282, D 424, Ja 558, F 714, Ma 850, Ap 128, My 276, 4 6404, Jl 548, Au 690, S 830 Paints, Casein Vehicle for—Aquasperse	Ja 568, F 714, Ma 852, Ap 128, My 276, Je 404, Jl 548, Au 690, S 830	Sand Blast, New Ma 818 Tank Truck S 804
Paints, Casein Vehicle for-Aquasperse		Hose
30 Ap 104 Latices, Additional Experimental GR-S Polymers and Au 648	Masterbatch, Accelerator—Kure-Blend MT Je 391 Oil-, Experimental, Program	Life Raft, New Goodyear N 260 Lifeboat Rubber New N 264
mers and	Masterbatches, GR-S, Interchangeable Oils	Lifeboat, Rubber, New N 264 Markers, Traffic Lane Je 393 Mats, Floor, Vinyl D 410 Mattress, Air, for Combat Injured Je 343 Model Anatomical Flexible Au 674
	Mat. Glass, Specification Ja 526 Mathematics Service D 383	Mattress, Air, for Combat Injured Je 343 Model, Anatomical, Flexible Au 674
Lawrence, H. Logan	in II 503 Mat. Glass, Specification II 503 Mathematics Service D 383 Matthews, I. H. Portrait S 798 McAlevy, A., R. E. Brooks, D. E. Strain Chlorosulfonated Polyethylene—I Ma 791 McCann, R. F. R. W. LAINNBIER	Model, Anatomical, Flexible Au 674 Paper, Rubber and Resin Treated N 266 Pipe Fittings, Rigid Vinyl My 254 Propulsion Machines, Underwater S 802 Propulsion Machines, Underwater S 802
E. Goss, Arthur M. Ross, Jr. F 652		Raincoat, Flastic, New Style 120
	Feldon Continuous Emulsion Polymerization in a	Rubbers, Non-Skid D 412
nating F 661 Legal O 97, N 244, D 397, Ja 529. Ap 89, My 229, Je 374, Au 653, S 787	Tubular Reactor Ap 51 Metal Osmometer Je 362	Screens, 3-D Movie Ap 92 Sealer, Flexible Dielectric S 802 Ribbon-Type

New Goods Sealing Member, Rubber Improved O 127	Octamine Amine Type Antioxidant D 406	PLASTICS
Sealing Member, Rubber ImprovedO 127 Shower Caps, Pliofilm	Octamine Amine-Type Antioxidant. D 406 Octman, Walter F	Dry Blend Compound, Coloring of
Sprinkler, Hose-Type	Resistance of Nitrile Rubber . V. G. Duke.	Film as Silage ProtectorAp 70
Tape, Electrical, Vinyl My 210	Stress Relaxation in Compression of Rub-	Porolated Je 368 Standard Approved Je 360
Sprinkler, Hose-Type II 532 Suede, Neolite Ma 834 Tape, Electrical, Vinyl My 210 Tee, Three-Legged Golf Au 676 Tile, Vinyl Floor Ma 834 Tire Repair Material, Flexmaster S 804	Stress Relaxation in Compression of Rubber and Synthetic Rubber Vulcanizates Immersed in J. R. Beatty, A. E. Juve D 357 Oils, Interchangeable, in GR-S Masterbatches	Porolated Je 368 Standard Approved. Je 368 Hardness Testing of, Report on the Shore Type "A" Durometer for Er- cins F. Smith Ja 515
TIRES		
Aircraft, New   D 408	O-Ring Compound for Jet Aircraft O 92 O-Rings—an Annotated Bibliography Betty	Lead Dust in the Alexander E. Goss. Arthur M. Ross, Jr. F 652
Farm Implement Ja 552	Foreword E. N. Cunningham O 74 O'Rourke, Lawrence Robert	Plasticizer—0-16
Nylon, All-, Cord Tire		Wall Covering, New, Bolta
Safe Aire, Seiberlingle 371 Snow Firestone Ja 554	Oven Aging, Migration Effects in A. E. Jure.	Pliovic Resin, New—Pliovic G 80V Ma 832
	R. Shearer Au 623	90V 0 124 Pneumosilicosis Sebastian Ambery Je 344
Firestone	P	Pollack, Maxwell A. Plasticizers for Elastomers
Goodyear   F 688   Heavy-Duty Goodrich   S 804   Small—"The U. S. Tire"   Au 674   U. S. Royal Fleetway   F 690	Packing Compound, Coated Fabric D 383 Paints, Latex, Casein Vehicle for—Aquasperse 30	Polyco 426 and 497—New Resin Dispersions
U. S. Royal Fleetway F 690		Di maria i i bili di i biano
Aircraft—Firestone My 233 Auto Je 394	Paley Commission Report on Coal and Petroleum Chemicals and Products Made Therefrom, Further Extracts from O 70,	Polyester Type Synthetic Rubber, Goodyear's New feets Shew for Shew for Shew for Shew for Shew for Shew for Strain, A. McAlery Ma 791 H. M. A. Smook, I. D. Roche, H. B. Clark, O. G. Youngguist Ap 54 HI H. F. Busse, M. A. Smook fe 348 Properties and Applications of The H. F. Robertson O. 80
rarm, Goodrich O 126	1 776 19 511	Strain, A. McAlevy Ma 791
Jets, for	Parks, C. E. Processing of Rigid Polyvinyl Chloride	Clark, O. G. Youngquist Ap 54
Truck—Firestone	Parsekian, Harold M. Portrait My 237	Properties and Applications of, The. H. F.
Tube, Nylon Cord Tire	PATTON, TEMPLE C. Evaluation of Plasticizer Performance in	Polymerization, Continuous Emulsion, in a
Tube, Nylon Cord Tire Ma 822 Plastic, Collapsible Je 360 Tubes, Butyl Puncture-Sealing Truck JI 530	Pavements Rituminous Development and Use	Polymerization, Continuous Emulsion, in a Tubular Reactor M. Felden, R. F. Mc-Canu, R. W. Laundric Ap 51 Polymers and Latices, Additional Experimental Control of the Contr
Tubing, Flexible, Giant-Size O 127	of Rubber in Harry K. Fisher N 220 Petroleum Chemicals Coal and Products	tal GR-SAu 648
Vest for Dry Cells	of Rubber in. Harry K. Fisher N 220 Petroleum Chemicals, Coal, and Products Made Therefrom, Further Extracts from Paley Commission Report on .O 70, N 226,	Summer Courses in
Materials . O 124, N 258, D 406, Ja 550, F 686, Ma 832, Ap 104, My 252, Je 391,		Summer Courses in
Publications O 134 N 276 D 419 Ia 562	Phenolics, Rubber-, Engineering Design for A. P. Landall S 776 Philadelphia Rubber Group O 91, D 383,	Practical Compounding for Economy, V. H.
F 704, Ma 847, Ap 120, My 268, Je 400, II 544 Au 684, S 823 York Outside Market. O 140, N 282, D 424,	Ma 811. Je 362	Practical Compounding for Economy, V. H. Vodra, L. A. Jarris F 633 Prevention, Migration and Bloom. An 81
	Physical Properties of Various Carbon Blacks	Price Reduction, Acrylonitrile 832
Je 404, II 548, Au 690, S 830	The Relationship between the Modulus of Reinforced Rubber Compounds and the	Process for Impregnating Leather with Butyl F 661 PROCK, JOHN D., JAMES A. HURRY AND Coefficients of Friction of Rubber Samples Au 619
Ja 208, F 714, Ma 830, Al 128, My 270,  Je 404, H 1548, Au 690, S 830  Rubber Group. O 91, N 284, Ja 526,  Ma 811, My 212, H 502, S 784  News about People. O 112, N 253, D 399,  Ja 540, F 677, Ma 824, Ap 97, My 240,  By 1540, F 678, Ma 824, Ap 97, My 240,  Nitrile Rubbers, see Synthetic Rubber  Normerolature I ustrees Name La 526	Physics of Rubber, Recent Developments in	
Ja 540, F 677, Ma 824, Ap 97, My 240,	S. D. Gehman My 199 Piccopale New Hydrocarbon Resin Ja 500	Molded Rubber Products Industry J. H.
Nitrile Rubbers, see Synthetic Rubber	Pipe, Extruded, Research Program Continues	Molded Rubber Products Industry J. H.  Gerstenmaier, F. J. Fetter S. 761  Properties and Applications of Polyethylene, The H. F. Robertson O.  Physical, of Various Carbon Blacks, The Relationship between the Modulus of Re-
Noonan Chaster I Dantage II 516	Plastic, Flow Data for F 680	Physical, of Various Carbon Blacks, The
Northern California Rubber Group. N 238, F 661, My 226, Je 362	Plastic, Flow Data for F 680 Pitts, Claude Portrait F 673 Plasticized Vinyl Acetate—Darex Everflex	inforced Rubber Compounds and the  Merton L. Studebaker N 215
Norton, Victor T	PLASTICIZERS Au 672	"Protector"—Supproofing Agent and Antioxi-
Northern California Rubber Group, N. 238, Norton, Victor T. F. 661, My 226, Je 362	Decyl, All.,—Cabflex DDA and DDP Ma 832 Fatty Ester, Estanox My 252	dant
	Fats, Synthetic, as S 782 For Elastomers Maxwell A. Pollack Ia 497 Performance in Vinyl Resins, Evaluation of	562, F 704, Ma 847, Ap 120, My 268, Je 400, Jl 544, Au 684, S 823
O-16-New Vinyl Plasticizer O 124 Obituary	Performance in Vinyl Resins, Evaluation of Temple C. Patton D 371	Puerto Rico
Brown, L. A	Vinvl-O-16 O 124	Stabilizer for—Stabilan HRJI 528
Calvin, Edwin, Jr	Adhesive in Squeeze Bottle—Soba Il 496 Cathode Rays Cure	Ouebec Rubber & Plastics Group N 236, 238,
Cramer, P. J. S		D 383, Ma 812, Au 647
Croakman, Elmer Ja 542	ucts, The Arthur M. Skerls Ma 803 Design Considerations, Some, for Injection Molding Heating Chambers C. D. C.?.	R
David, Edmund N Je 384	Molding Heating Chambers, .G. D. Gil- more, G. B. Thayer My 207 Engineering Design for Rubber-Phenolics	Rate of Shear on Mooney Viscosity, Influence of Variations in Rotors, Dies, and Geo. E.
Driver, Andrew H., Sr	4 P I and all > 776	of variations in Rofors, flies, and Geb. E. Sayon Market Octor, Frank L. Roth Je 339 Rayon Market O 142, N 284, D 426, Ja 570, F 716, Ma 852, Ap 130, My 278, Je 406, 830 Rayon Cathodo Gure Plastics
Eckstein, R. W	Exposition, 1954	F 716, Ma 852, Ap 130, MV 278, Je 406, Il 550, Au 692, S 830 Rays Cathode Cure Plastics II 496
Geilfuss, Chas. J	Glass Mar Specification	Reactor, Tubular, Continuous Emulsion Poly-
O-16—New Vinyl Plasticizer. O 124 OBITUARY Brown, L. A. F 679 Randolph, F. D. 398 Calvin, Edwin, Jr. F 679 Cashion, Clifron G. My 244 Cramer, P. S. N 255 Crawford, Richard A. Je 884 Croakman, Elmer. Ja 542 Curtis, Fred, L. O 116 David, Edmund N. Je 884 Croakman, Elmer. Ja 542 Curtis, Fred, L. O 116 David, Edmund N. Je 884 Croakman, Elmer. Ja 542 Curtis, Fred, L. O 116 Driver, Andrew H. Sr. O 116 Driver, Andrew H. Sr. O 116 Driver, Mm. H. N 255 Eckstein, R. W. Ji 522 Ellis, Robert H. D 398 Gelffuss, Chas. J. S 796 Griffin, Gro. E. Portrait Ma 826 Griffin, Gro. E. Portrait Ma 826 Griffin, Gro. E. N. Au 666 Leffers, Wm. Au 98 Johnson, John A. My 244 Klinedinst, L. M. S 795 Kuhl, Melvin H. Ma 826 Lotze, John R. O 114 Mahoney, Harry L. Ap 98 Marzetti, G. Bruno. Au 666 Mason, Harry A. Je 884 Math, Anthony J. Ji 522 McWhorter, W. Troy D 398 Meurin, Ferdinand A. Wy 244 Miller, Aden. Ji 522 McWhorter, W. Troy D 398 Meurin, Ferdinand A. My 244 Miller, Aden. Ji 522 McWhorter, W. Troy D 398 Meurin, Ferdinand A. My 244 Miller, Aden. Ji 522 McWhorter, W. Troy D 398 Meurin, Ferdinand A. My 244 Simeson, Summer. Ji 522 Scott, Herbert I. Ja 542 Rankin, Donald A. Me 18 Shirk, David A. My 244 Simeson, Summer. Ji 522 Scott, Herbert I. Ja 542 Schick, Ernest G. S 796 Scott, Herbert I. Ja 542 Schick, Ernest G. S 796 Scott, Herbert I. Ja 542 Schick, Ernest G. S 796 Scott, Herbert I. Ja 542 Schick, Ernest G. S 796 Scott, Herbert I. Ja 542 Schick, Ernest G. S 796 Scott, Herbert I. Ja 542 Schick, Ernest G. S 796 Scott, Herbert I. Ja 542 Schick, Ernest G. S 796 Scott, Herbert I. Ja 542 Schick, Ernest G. S 796 Scott, Herbert I. Ja 542 Schick, Ernest G. S 796 Scott, Herbert I. Ja 542 Schick, Ernest G. S 796 Scott, Herbert I. Ja 542 Schick, Ernest G. S 796 Whitselsev, Theodore, Sr. Au 666 Wilson, Fred L. Ja 542 Varborough, Maurice C 0 116	Kel-F in Electron Tubes	merization in a. M. F. Feldon, R. F. Mc- Cann, R. W. Laundric Ap 51
Hooper, N. J	Kralastic Tested in Water Meters. F 675 Laminates, New Polyplostex. D 384 Instrex Nomenclature, New F 576 Marvinol Output to Double. D 234 Metallizing, Vaccum, of J. Gordon Sorter	RECENT DEVELOPMENTS IN FOOTWEAT—1952 B. H. Capen My 199 Industrial Rubber Products . B. H. Capen
Johnson, John A. My 244	Metallizing, Vacuum, ofJ. Gordon Seiter	
Kuhl, Melvin H	W-14 D-1 Command CD W-14 D-1	Physics of RubberS. D. Gehman My 199 Reclaimed Rubber1952J. M. Ball My 201 Rubber CalendersNorman J. Elder II 482
Lotze, John R	B of Release Compound—CD Mood Release B dolding Compounds, High Impact, by Synvar Var Pipe, Extruded, Research Program Conting	Rubber Calenders Norman J. Elder 11 482 Soles and Heels My 202 Reclaim in Powdered Form—Flo-Mix 66 S 812
Marzetti, G. BrunoAu 666 Mason, Harry A Je 384	Pipe, Extruded, Research Program Contin-	Reclaim in Powdered Form—Flo-Mix 66 S 812 RECLAIMED RUBBER
Math, Anthony J	Disertia Plans Data fee	Market. O 140, N 282, D 424, Ja 568, F 714, Ma 850, Ap 128, My 276, Je 404,
Meurin, Ferdinand A My 244 Miller, Aden. II 522	Polyethylene Carboy Oked. O 142 Properties and Applications of The H. F. Robertson O 80 Processing of Rigid Polyvinyl Chloride Plastic. C. E. Parks Au 631 PVC, Bleed Test for J1 497	Reclaim in Fowerer Tarking Transfer Reclaim Re
Murphy, Wm. R	Processing of Rigid Polyvinyl Chloride	
Provost, Calvin. Ja 542 Rankin, Donald A. O 116	Plastic. C. E. Parks Au 631 PVC, Bleed Test for	Reinforced Rubber Compounds and the Phys- ical Properties of Various Carbon Blacks, The Relationship between the Modulus of
Roberts, Wm. F. Ma 828 Schick, Ernest G. S 796	Persons New-Polycos D 406	
Scott, Herbert I	Dispersions. New—Polycos	Reinforcing Agent, New—Fortex. Ja 550 Pigment—Zeolex 20
Shirk, David A. My 244 Simpson Support II 522	Plovic G 80V	forced Rubber Compounds and the Physical Properties of Various Carbon Blacks, The
Sinclair, Sir Walrond	Vinyl, Evaluation of Plasticizer Perform-	
Smith, Sidney V	Stress Crazing of J. A. Sauer, C. C. Heigo	and Synthetic Rubber Vulcanizates Im-
Stearns, Emory W	Styrene Copolymer Sheeting—Campco S-300 S 782	Report on the Shore Type "A" Durometer
Weber, Geo. R	Technology O 80, N 230, D 371, Ia 515, F 652, Ma 803, Ap 65, My 207, Je 355, JI 493, Au 631, S 778	Relaxation, Stress, in Compression of Rubber and Synthetic Rubber Vulcanizates Immersed in Oil J. R. Beatty, A. E. Jave D 357 Report on the Shore Type "A" Durometer for Hardness Testing of Vinyl Plastics Evrine F. Smith Ia 518 Paley Commission, on Coal and Petroleum Chemicals and Products Made Therefrom, Europe Extracts from O. 70 N 226 Ia 511
Wilson, Fred L. Ja 542	Todan Transitions in J1 493, Au 631, S 778	Chemicals and Products Made Therefrom, Further Extracts from. O 70, N 226, Ja 511
Larborough, Maurice Committee 116	Teflon, Transitions in	ratther Extracts Holli, O 10, N 220, Ja 311

R R R

Re

Ru

School Sc

Oct

Research Association of British Rubber Man- ufacturers—Rubber Literature Circular	Shackelford, Francis L., Jr Portrait Au 655 Shear, Creep of Neoprene in, under Static Con-	STATISTICS United States
Methods Employed in Compounding My 225	Rate of on Mooney Viscosity Influence of	Rubber. O 144, N 286, D 434, Ja 572, F 718, Ma 815, Ap 132, My 278, Je 406, Jl 552, Au 696, S 840 Industry Employment, Wages, Hours O 144, Ja 572, Je 406
Drogin O 65, D 365, Ja 505, F 646, Ma 797, Ap 59, My 203, Je 345, Au 627, S 771 Program Continues, Extruded Pipe F 680	Variations in Rotors, Dies, and. Geo. E. Decker, Frank L. Roth Je 339  Shearer, R., A. E. Juve and Migration Effects in Oven Aging	Industry Employment, Wages, Hours O 144, Ja 572, Je 406
RESIN Dispersions, New—Polycos D 406 Dry Blend Vinyl—Marvinol VR 22Au 672 Granulated Wood Binding—Resinox 743 J1 528	Sheeting, Styrene Copolymer—Campco S-300	Tire Inventory, Production, Domestic Shipments . O 142, N 288, D 426, Ja 570, F 716, Ma 823, Ap 130, My 280, Je 406, Jl 550, Au 692, S 832
rivurocarbon. New-Piccobale la 550	Shells, Nut, Use for Au 666 Shipping Carton, Carbon Black Ja 537	/VORLD
Resinox 743—Granulated Wood Binding JI 528 RESINS Laminac, New Developments in H. M. Day N 230	Shore Type "A" Durometer for the Hardness Testing of Vinyl Plastics Report on the	Consumption, Natural and Synthetic, Estimated, in 1953 Je 364 Production, Natural Rubber, Estimated,
Pliovic, New—Pliovic 80V Ma 832	Shrinkage, Low-, Silicon Rubber—SE-360 Jl 528 Sieger, Maurice P	In 1933
Pliovic, New—Pliovic 80V Ma 832 90V 0 124 Vinyl, Evaluation of Plasticizer Performance in	Silicon Oxyhydride—Blowing Agent O 124 Silicon E	Synthetic Rubber, Estimated, in 1953. Je 364 Stauffer, Hans. Portrait D 400 Stearic Acid 12-Hydroxy—Harwax A. JI 528 Sterling MT—New Thermal Black. F 686 STEWART, W. D., R. A. CRAWFORD, H. A.
Resistance, Abrasion, on Natural Rubber, GR-S-10, and GR-S-100, Effect of Severity of Service in the Relative. C. C.	Blowing Agent Silicon Oxhydride 0 124	
verity of Service in the Relative. C. C. Biard, J. F. Svetlik D 363 Oil, of Nitrile Rubber. N. G. Duke, W. A. Mitchell J1 485	Coating Material—SE-100. Je 391 Rubber, Compounding of Arbelia C. Glime, Norman A. Duke, Clinton M. Dacke S 766	Defibering of Ground Rubber Scrap with Cellulose-Decomposing Fungi
Rhode Island Rubber Club., D 383, My 226,	Low-Shrinkage—SE—360	STIEHLER, ROBERT D., AND FRANK L. ROTH Vulcanization Characteristics of Natural Rubber Ma 783 STRAIN, D. E., A. McALEVY, R. E. BROOKS
Richardson, Wm. S	Low-Shrinkage—SE—360	Chlorosultonated Polyethylene-1Ma /71
Richardson, Wm. S. Portrait Ja 538 Rigid Polyvinyl Chloride Plastic, Processing of C. E. Parks Au 631 ROBERTSON, H. F.	Decorating and Marking of Plastic Products	Gage, New High Range Je 362 Stress Crazing of Plastics J. A. Saner, C. C. Hstao Je 355
Properties and Applications of Polyethylene, The O 80 ROCHE, I. D., W. B. CLARK, O. G. YOUNG- QUIST, M. A. SMOOK	Smart, Burton	Relaxation in Compression of Rubber and Synthetic Rubber Vulcanizates Immersed in Oil J. R. Beasty, A. E. Juve D 357 STUDEBAKER, MERTON L.
QUIST, M. A. SMOOK Chlorosulfonated Polyethylene—IIAp 54 Ross, Arthur M., Jr., Alexander E. Goss	for Hardness Testing of Vinyl Plastics	STUDEBAKER, MERTON L. Relationship between the Modulus of Reinforced Rubber Compounds and the Phys-
Effective Control of Lead Dust in the Man.	SMOOK, M. A., AND W. F. Busse Chlorosulfonated Polyethylene—HIJe 348	ical Properties of Various Carbon Blacks, The
ufacture of Vinyl Plastics, The, F 652 Rossiter, Paul H. Potrait F 658 Roth, Frank L., Geo. E. Decker and Influence of Variations in Rotors, Dies,	I. D. ROCHE, W. B. CLARK, O. G. YOUNG- QUIST Chlorosulfonated Polyethylene—IIAp 54	of Tread Compounds on Ice
and Rate of Shear of Mooney Vis-	Sobo—Adhesive in Squeeze BottleJe 496 Society of	Goodrich Flexometer with Synthetic Polymer Compounds, A
ROBERT D. STIEHLER AND Vulcanization Characteristics of Natural	Automotive Engineers., O 100, D 382, Ap 71, 74, 81, J1 496, Au 645 PLASTICS ENGINEERS	Styrene Copolymer, New-Darex 43GD 406 Sheeting—Campco S-300 S 782 Emulsion—Lustrex Latex 601-50 Au 672
Rubber	Conference, International S 782	Styrene Copolymer, New Datex 3-01. 5 of Sheeting—Campoo S-300. 5 782  Emulsion—Lustrex Latex 601-50. Au 672  GR-S Bound, Content. F 661  Sunproofing Agent and Antioxidant—"Protector"  Ma 790  Survey on Dirt Content of Natural Rubber of Survey on Dirt Content of Natural Rubber 18 503.
KUBBER	Technical O 233, D 376, Ja 519, F 656 Abstracts of PapersD 376, Ja 519, F 656 Secretary, New—P. J. UnderwoodS 782	
Association of Canada le 382 Bales, Shipping Containers for D 397 Bituminous Payements Development and	Sections Buffalo. N 233, D 384, F 680, Ma 806, My 212	SVETLIK, J. F., AND C. C. BIARD Effect of Severity of Service on the Relative Abrasion Resistance of Natural Rubber GR-S-10, and GR-S-100
Bituminous Pavenieus III Bituminous Pavenieus III Bituminous Pavenieus III Bituminous Pavenieus III Bituminous II Bituminous	Chicago . O 142, N 233, D 377, Ja 520,	Sweder
A. Hurry, John D. Prock Au 619 Compounds, Reinforced, and the Physical Properties of Various Carbon Blacks, The	Cleveland-Akron	Automotive Rubber Products N 237 Crude Rubber and GR-S . Ap 75
Relationship between the Modulus and Merton L. Studebaker N 215	York. O 85, N 233, D 377, Ja 520, F 657, Ma 805, Ap 69, My 212,	GR-S CompoundingJa 521
Compression of, and Synthetic Rubber Vul- canizates Immersed in Oil, Stress Relax- ation in J. R. Beatty, A. E. Juve D 357	Je 360, Jl 497, Au 635 NewarkD 377, F 657, Ma 805, Ap 70, My 213	Rubber Processing Equipment . Ma 807 Silicone Elastomers . S 783 Testing, Low-Temperature, of Rubber, Second Armed Forces, on . My 221 Synthetic Elastomers, Latest Development . Harry L. Fisher F 641
ation in I. R. Beatty, A. E. Juve D 357 Manufacturers Association, Inc O 99, N 235, D 389, Ja 530, 539, My 227, JI 510,	Ontario D 377, Ja 520, My 212, Il 497 Toronto N 233, Ma 806 West Coast	Synthetic Elastomers, Latest Development
Au 649, 664, S 785, 795 Natural Rubber Quality Seminar Q 99, N 235 Rubber Quality Bulletin	THE PLASTICS INDUSTRY, INC.	Polymer Compounds, A Study of the Goodrich Flexometer with B. G. Labbe
Phenolics, Engineering Design for A. P. Landall S 776 Physics of, Recent Developments in . S. D.	Boston-Providence D 377 Midwest. O 142, N 233, D 377, F 680, Ma 805, Je 360, Au 635	Fats as Plasticizers
Gehman My 199 Reclaimers Association, Inc Ma 819 Specifications for, and Synthetic Rubber	Plastics Film Sheeting & Coated Fah-	Chemigum Rubbers, New-N6 and N7 S 812 Compression of Rubber and Vulcanizates
Compounds for Automotive and Aeronau-	Reinforced Plastics Ap 69	Immersed in Oil, Stress Relaxation in J. R. Beatty, A. E. Juve D 357
tical Applications	Exposition	Coated Cartons, in
1954 Au 664 TRADE ASSOCIATION OF NEW YORK, INC. New YORK Outside Market. O 140, N 282, D 424, Ja 568, F 714, Ma 850, Ap 128, My 276, Je 404, JI 548, Au	New England	Bound Styrene Content F 661
282, D 424, Ja 568, F 714, Ma 850, Ap 128, My 276, Je 404, Jl 548, Au	West Coast         J1 496           Standards, Vinyl Film         N 234           Sodium Epoxystearate         Je 391	tive Abrasion Resistance of Natural Rubber, GR-S-10, and GR-S-100C. C. Biard, J. F. Svetlik D 363
Russia 690, S 830 S 818	Softseam—Foam Rubber Cement	Experimental Folumers and Latices Ad-
8	Molding Heating Chambers, G. D. Gilmore, G. B. Thoyer My 207 South America, Ja 513, Je 373, Jl 534, Au 657 Southern Ohio Rubber Group O 90, F 661, My 220, Jl 502 Space-Saving Bags for Carbon Black, New F 670	ditional Au 648 Film-Wrapped, Purchases. JI 503 High-Speed Tube Process for, New F 673 Masterbatches, Interchangeable Oils in JI 503
SAUER, J. A., AND C. C. HSIAO Stress Crazing of Plastics	Space-Saving Bags for Carbon Black, New F 670	Oil-Masterbatch Program, Experimental O 91 X-Numbers and Styrene Contents for,
Stress Crazing of Plastics	Specification, Glass Mat	New, Oil and Oil-Black Polymers Ma 808 Experimental Polymers Ma 811 Hard Rubber, New, Available—Ace Tem-
	Specifications for Rubber and Synthetic Rub- ber Compounds for Automotive and Aero-	
Defibering of Ground, with Cellulose-Decomposing Fungi W. D. Stewart, R. A.	nautical Applications	Neoprene, Creep of, in Shear, under Static Conditions: Ten Years, W. N. Keen Je 345 Nitrile Rubber, Oil Resistance of, N. G.
Institute, & Plastics	Stabilizers. Conidendrols Tested as My 226 Vinyl, Duranyl	Nitrile Rubber, Oil Resistance of N. G. Duke, W. A. Mitchell II 485 Polyester-Type Goodyear's New F 675
714, Ma 852, Ap 128, My 276, Je 404, Jl 548, Au 690, S 830	Staining, Rubber, in Wires, InvestigateD 383 Standard, Vinyl Film, ApprovedJe 360 Viscosity, Adopted II 497	Polyester-Type, Goodyear's New. F 675 Specification Changes. Au 639 Specifications for Rubber and Compounds
SE-100—Silicone Coating Material Je 391 360—Low-Shrinkage Silicone Rubber II 528 550—New Silicone Rubber F 686	Vinyl, Duranyl Au 672 Staining, Rubber, in Wires, Investigate D 383 Standard, Vinyl Film, Approved fe 360 Viscosity, Adopted II 497 Static Conditions, Creep of Neoprem in Shear under: Ten Years W. Newlin Keen	for Automotive and Aeronautical Appli- cations
	STATISTICS UNITED STATES	Т
Vacuum Metallizing of Plastics	Carbon Black O 92, Ja 544, Ap 130, Au 692 Consumption, GR-S D 388 Imports, Exports, and Reexports of Crude	Taggart, W. L
	and Manufactured Rubber. O 144, N 288, D 434, Ia 572, F 718, Ma 860, Ap	Taylor, H. M. Portrait F 678 Taylor, H. M. Portrait My 240 Wm. W. Portrait My 240 Technical Club of Gates Rubber Co. Ap 80 Teffon, Transitions in My 213
Abrasion Resistance of Natural Rubber, GR-S-10, and GR-S-100. C. C. Biard, J. F. Svetlik D 363	132, My 280, Je 414, Jl 552, Au 696, S 840 Manufacturers' Sales and Inventories D 391, Je 368	Teflon, Transitions in My 213 Temperature, Low., Testing of Rubber, Second Armed Forces Symposium My 221
37etile D 363	D 371, Je 308	one Armed Forces Symposium My 221

PAGE	5
Total District DVC 11 10	-
Test, Bleed, for PVC 11 49	-
Chamber, Stratosphere F 67 Testing, Hardness, of Vinyl Plastics, Report on the Shore Type "A" Durometer for	1
Testing, Hardness, of Vinyl Plastics, Report	
on the Shore Type "A" Durometer for	
	5
Law Temperature of Dubber Second	
Armed Forces Symposium on My 22	1
Armed Forces Symposium on My 22 Thailand	2
Turner C D C D C	
THAYER, G. B., G. D. GILMORE AND	
Some Design Considerations for Injection	
Molding Heating Chambers My 20:	
Molding Heating Chambers My 20. Thiokol Technical Club O 92, Ma 812, J1 50.	
Thurman, A. L., Portrait N 25	1
Tolin, F. McCawley Portrait Ia 538	8
Toth, Robert C Portrait Ap 9:	
Toth, Robert C	
Ap 132, Je 414, Au 694, S 840	0
Opportunities Provides T. 514, P. 516, 35	
Opportunities, Foreign Ja 544, F 716, Ma	
Travers, C. G	b
Travers, C. G Portrait Je 380	0
Tread Compounds on Ice, Study of the Fac-	
tors Affecting the Friction of	
tors Affecting the Friction of	5
Trechter, Harry A Portrait le 37	3
True, Thomas P. Portrait S 79. Tubes, Electron, Kel-F in Au 666	2
Tubes Electron Kel.F in Au 666	
Tubular Reactor, Continuous Emulsion Poly-	5
merization in aM. Feldon, R. F. McCann,	
merization in aM. reldon, K. r. McCann,	
Tuthill, Newton H. R. W. Laundrie Ap 51	1
Tuthill, Newton H	7
U	
•	
Underwood, P. I	
United States O of N ago D ago I ago	4
Underwood, P. I. Portrait S 782 United States. O 95, N 240, D 385, Ja 527, F 663, Ma 813, Ap 82, My 227, Je 363,	
1 003, Ma 813, Ap 82, My 227, Je 363,	
11 504 Au 649 S 785	
Arctic Cable Covering Il 501 Coated Fabric Packaging Compound D 383	
Coated Fabric Packaging Compound D 383	
Government Committee on O-Rings Ie 373	
GR-I in Coated Cartons and Export Boxes	
D 383	
GP S Bound Sturone Contact E 201	
GR-S Bound Styrene Content F 661	
Experimental Polymers, New Ma 811	
Additional, and Latices Au 648	
Additional, and Latices. Au 648 Oil and Oil-Black Polymers, New X-Num-	
bers and Styrene Contents for Ma 808	

P	AGES
UNITED STATES	
Purchases, Film-Wrapped	525
N 226, Ja Revise Plastic Coated Fabrics PracticeD Synthetic Rubber Specification Changes Au Testing, Low-Temperature, of Rubber, Sec-	375 639
ond Armed Forces Symposium on. My Vinyl Film Standard Approved Je Use of Rubber in Bituminous Pavements, De- velopment and	360
v	
Vacuum Metallizing of PlasticsJ. Gordon Sciter II	493
Variations in Rotors, Dies, and Rate of Shear on Mooney Viscosity, Influence of Geo. E. Decker, Frank L. Roth Je Vickland, R. E Portrait N	339
Acetate, Plasticized—Darex Everflex Au Dry Blend Compound, Coloring of . Richard	
Resin—Marvinol VR-22. Au Film as Silage Protector Ap Porolated Je Standard Approved Le	70
Fungicide for, Coated Fabric—Nuodex 100VT S Plasticizer—O-16 O Plastics, Manufacture of, The Effective Con-	812 124
trol of Lead Dust in the Alexander E.  Goss, Arthur M. Ross, Ir. F  Report on the Shore Type "A" Duro- meter for Hardness Testing of Ervine F. Smith Ja	562
Resin, Pliovic G 80V	515 832 124
ance in	371 213 672 673

IUES	the second secon	
503 666 525	Viscosity, Mooney, Influence of Variations in Rotors, Dies, and Rate of Shear on Geo. E. Decker, Frank L. Roth Je Standard Adopted. J. Vodra, V. H., and L. A. Jarvis Practical Compounding for Economy. F	339 497 633
511 375 639	Vulca Film—Rubber Film Auvulcanizates, Synthetic Rubber, Immersed in Oil, Stress Relaxation in Compression of Rubber and J. R. Beatty, A. E. Juve D Vulcanization Characteristics of Natural Rubber and Schott D. Stiehler, Frank L. Roth Ma	357
221 360	w	
220 493	Wachter, Fred Walnut Shells as Mold Cleaner Walton, J. C. Portrait D Warner, Kenneth N. Portrait S Washington Rubber Group Ja 525, Ma 811, Ap 80, My 222, Je 362.	796
339 253	Water Meters, Kralastic Tested in F Wax, New Synthetic — Alcowax Ia Wilkes, Bertram A. Portrait D WILKINSON, C. S., JR.	502 675 550 392
672 65 672 70 368 360	Study of the Factors Affecting the Friction of Tread Compounds on Ice III Wires, Rubber Staining in, Investigate D Witcarb RC — Calcium Carbonate Wood Binding Resin, Granulated — Resinox 743 Wight, Harry L. Portrait O	383 205
812 124	x	
562	X-Ray Diffraction School Ma Y	
515 332 124	Younguist, O. G., M. A. Smook, I. D. Roche, W. B. Clark	535
371	Chlorosulfonated Polyethylene—II Ap	34
572 573	Zeolex 20-Reinforcing Pigment N	258

### U. S. Rubber Industry Employment, Wages, Hours

-	iipioy	ment, v	v age	25, 110	urs
	Prod.	Ave.		Ave.	Con
	Work-	Week	Ave.	Hour	sumer
	ers	Earn-	Week	Earn-	Price
	1000's	ings	Hrs.	ings	Inde
		All Rubber	Produ	rts	
1939	121	\$27.84	39.9		
1949	186	57.79		\$0.75	404
1950	203	64.42	38.3	1.51	101.
1951	212	68.61	40.6	1.69	102.
1952	208.2	74.78	40.7	1.83	111.
1953			40.1	1 . 01.5	110.
Jan.	219.2	78.09	41.1	1.90	113.
Feb.	219.2	79.30	41.3	1.92	113.
Mar.	220.3	80.90	41.7	1.94	113
Apr.	220.1	79.32	41.1	1.93	113. 113.
		Tires and	Tube	•	
1939	54.2	\$33.36	35.0	\$0.96	
1949	83.6	63.26	36.4	1.74	
1950	87.8	72.48	39.8	1.82	
1951	87.4	78.01	39.6	1.97	
1952	90.8	85.65	40.4	2.12	
1953		00.00	10.1	2.12	
Jan.	91.5	89.24	40.2	2.22	
Feb.	91.2	91.80	40.8	2.25	
Mar.	91.9	94.69	41.9	2.26	
Apr.	92.2	91.80	40.8	2.25	
		Rubber Fo	ootwea	г	
1939	14.8	\$22.80	37.5	\$0.61	
1949	21.6	48.94	38.6	1.27	
1950	20.6	52.21	40.1	1.30	
1951	23.9	57.81	41.0	1.41	
1952	22.9	62.22	40.4	1.54	
1953					
Jan.	24.5	64.96	40.1	1.62	
Feb.	24.2	67.57	41.2	1.64	
Mar.	24.1	67.57	41.2	1.64	
Apr.	23.9	67.82	41.1	1.65	
	0	ther Rubbe	r Prod	ucts	
1939	51.9	\$23.34	38.9	\$0.61	
1949	80.9	54.38	40.1	1.36	
1950	94.3	59.76	42.2	1.42	
1951	100.7	63.19	41.3	1.53	
1952	94.6	66.58	41.1	1.62	
1953					
Jan.	103.2	71.74	42.2	1.70	
Feb.	103.8	71.06	41.8	1.70	
Mar.	104.3	71.55	41.6	1.72	
Apr.	104.0	71.21	41.4	1.72	
-					

Source: BLS, United States Department of Labor, Washington, D. C.

## Foreign Trade Opportunities

The firms and industries listed below recently expressed their interest in buying in the United States or in United States representations. Additional information concerning each import or export opportunity, including a World Trade Directory Report, is available to qualified United States firms and may be obtained upon inquiry from the Commercial Intelligence Unit of the United States Devartment of Commerce, Washington, D. C., or through its field offices, for \$1 each. Interested United States companies should correspond directly with the concerns listed concerning any projected business arrangements.

#### **Export Opportunities**

Export Opportunities

Leonard Baines & Co., Ltd., Harley Bldgs., 11
Old Hall St., Liverpool 3, England: raw materials (particularly rosin) suitable for the paint, rubber, varnish, and line-leum industries.

Claussen & Wieting, 82 Parkstrasse, Bremen, Germany: synthetic rubber.

F. Levi, representing Franz Levi, Ltd., 53 Carmel Ave., Haifa, Israel: self-adhesive tape for sealing rainwear in the manufacturing process; plastic sheeting for the production of medical adhesive tape; fire hose weaving looms; nylon or similar yarn for weaving pressure hose; machinery for braiding pressure hose with steel wire; and general machinery for the production of rubber goods.

African Plastics Industries (Ptv.) Ltd., Aeco House, Miller and Eighth Sts., New Doornfontein, Johannesburg, Union of South Africa; machinery and raw materials for the manufacture of plastic articles by injection, compression, extrusion, and fabrication processes.

John L. H. Molenaar, 109 Blvd. des Hospices, Ghent, Belgium: thermosetting resin adhesives, other synthetic resin adhesives, or synthetic resins for sizing or finishing purposes for textiles, Alfred Ritscher, 3 Dahlweg, Muenster/Westf., Germany; insulated wire and cables.

Einer Juel & Co., A/S, 1 Prinsesse Maries Alle, Copenhasen, D-mmark: accelerators and retarders for the rubber industry.

Societe d'Exploitation des Etablissements Baudou, Les Eglisottes, Gironde, France: 55-gallon synthetic rubber drums and barrels for trother.

#### Import Opportunities

Kamuran Sertel, c/o General Electric T. A. O., Topkapi, Istanbul, Turkey: goggles made of natural rubber with tinted glass lenses.

#### Carbon Black Statistics -Second Quarter, 1953

Below are statistics for output, shipments, producers' stocks, and exports of carbon black for the second quarter, 1953. Furnace blacks are classified as follows: SRF, semi-reinforcing furnace black; HMF, high modulus furnace black; FFF, fast extruding furnace black; and HAF, high abrasion furnace black.

#### (Thousands of Pounds) April Most Tune

Production	April	May	June
Furnace types			
Thermal	9.131	8.515	7.281
SRF	22,331	22,810	25,197
HMF	11,178	9,144	7,808
EEE	17,239	19.012	18.444
FEF	38,924	43,573	38.590
HAF	30,924	43,313	38,370
Total furnace	98,803	103,054	97,320
Contact types	39,587	40,303	38,520
TOTALS	138,390	143,357	135,840
Shipments			
Furnace types			
Thermal	7,652	8,868	7.124
SRF	24,534	23,203	31,279
HMF	12,507	8,696	9,836
FEF	19,352	18,609	16,039
HAF	41,395	39,449	35,461
Total furnace	105,440	98.825	99.739
Contact types	38,478	37,525	40,833
TOTALS	143,918	136,350	140,572
Producers' Stocks,			
End of Period			
Furnace types			
Thermal	5,278	4,925	5,082
SRF	21,428	21,035	14,953
HMF	30,262	30,710	28,682
FEF	16,548	16,951	19,356
HAF	37,005	41,129	44,258
Total furnace	110,521	114,750	112.331
Contact types	242,943	245,721	243,408
TOTALS	353,464	360,471	355,739
Exports			
Furnace types	12,332	14,472	11,657
Contact types	14,767	18,601	13,602
TOTALS	27,099	33,073	25,259

SOURCE: Bureau of Mines, United States Department of the Interior, Washington, D. C.

LD